IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In	re	App	olica	tion	of:
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Sandhu et al.

Serial No.: Not yet assigned

Filed: August 8, 2003

For: LOW RESISTANCE CONTACT TO SILICON HAVING A TITANIUM SILICIDE INTERFACE AND AN AMORPHOUS TITANIUM CARBONIDTRIDE BARRIER

LAYER

Examiner: Unknown

Group Art Unit: Unknown

Attorney Docket No.: 2269-3264.6US

(92-0280.09/US)

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The present application is a divisional of application Serial No. 09/921,615, filed August 3, 2001, pending, which is a continuation of application Serial No. 09/495,534, filed January 31, 2000, now U.S. patent 6,291,340, issued September 18, 2001, which is a continuation of application Serial No. 09/012,685, filed January 23, 1998, now U.S. Patent 6,081,034, issued June 27, 2000, which is a continuation of application Serial No. 08/509,708, filed July 31, 1995, now U.S. Patent 5,723,382, issued March 3, 1998; which is a continuation-in-part of U.S. application 08/228,795, filed April 15, 1994, now abandoned, which is a continuation of now abandoned U.S. application 07/898,059, filed June 12, 1992.

Pursuant to M.P.E.P. 2001.06(b), the Examiner is respectfully requested to consider the information of record in the prior applications, and to confirm in the first Office Action on the merits that such art has in fact been reviewed. A PTO-1449 or PTO/SB/08 form listing all of the information of record in the prior applications is enclosed herewith.

This Information Disclosure Statement is filed within three (3) months of the filing date of the above-identified application, and no certification pursuant to 37 C.F.R. § 1.97(c) or a fee pursuant to 37 C.F.R. 1.17(p) is required.

> Respectfully submitted, Sames R. Burga

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JRD/sls:dip

Enclosures: Form PTO-1449 or PTO/SB/08

Document in ProLaw

Sheet 1 of 2 Docket Number (Optional) Application Number Form PTO-1449 3264.6US (92-0280.09/US) Not yet assign d INFORMATION DISCLOSURE CITATION Applicant Sandhu et al. IN AN APPLICATION (Use several sheets if necessary) Filing Date August 8, 2003 Group Art Unit Unkn wn **U.S. PATENT DOCUMENTS** FILING DATE **EXAMINER** CLASS SUBCLASS DOCUMENT NUMBER DATE NAME IF APPROPRIATE INITIAL Wakefield et al. 3,637,320 01/1972 3,807,008 04/1974 Reedy 4,035,541 07/1977 Smith et al. 4,497,874 02/1985 Hale 4,830,886 05/1989 Co et al. Dixit et al. 4,960,732 10/1990 4,990,997 02/1991 Nishida 01/1001 Yamaguchi 5,001,531 5,049,975 09/1991 Ajika et al. 5,087,593 02/1992 Narula 01/1992 5.132,756 Matsuda FOREIGN PATENT DOCUMENTS Translation SUBCLASS DOCUMENT NUMBER DATE COUNTRY CLASS YES NO 06/1992 4-87328 Japan 02/1992 4-38875 Japan **OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.) Wakefield et al., "Preparation of Titanium Carbonitride From Mono-, Di-, and Tri-Methyl Amines"; 4th International Conference on CVD, Electrochemical Society, 1973, pps. 173-150. Politis et al., "Preparation, Characterization and Superconducting Properties of TiN and TiCxNy Single Crystals Prepared By CVD"; 7th International Conference on CVD, Electrochemical Society, 1979, pps. 289-299. Raaijmakers et al., "Contact Hole Fill with Low Temperature LPCVD TiN", VMIC Conference 6/12-6/13/90, pps. 219-225.

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conforman not considered. Include copy of this form with next communication to the applicant.

DATE CONSIDERED

EXAMINER

Form PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

Docket Number (Optional) 3264.6US (92-0280.09/US) Application Number
Not yet assign d

Applicant Sandhu et al.

(Use several sheets if necessary) Filing Date August 8, 2003 Group Art Unit Unknown **U.S. PATENT DOCUMENTS EXAMINER** FILING DATE DOCUMENT NUMBER DATE CLASS SUBCLASS NAME INITIAL IF APPROPRIATE 08/1992 5,139,825 Gordon et al. 5,178,911 01/1993 Gordon et al. 5,192,589 03/1993 Sandhu 5,246,881 09/1993 Sandhu et al. 5,384,289 01/1995 Westmoreland 5,496,762 03/1996 Sandhu et al. 5,536,947 07/1996 Klersy et al. 5,571,572 11/1996 Sandhu 5,723,382 03/1998 Sandhu et al. 5,893,758 04/1999 Sandhu et al. 6,081,034 06/2000 Sandhu et al. 6,291,340 09/2001 Sandhu et al. **FOREIGN PATENT DOCUMENTS** Translation DOCUMENTNUMBER SUBCLASS DATE COUNTRY CLASS YES NO **OTHER DOCUMENTS** (Including Author, Title, Date, Perlinent Pages, Etc.) DATE CONSIDERED **EXAMINER**

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